

Scientific Method

*** Everything starts with observing the world around you (Curiosity)

1. **Problem/Purpose/Question**

The question you are attempting to solve with the experiment.
(What do you want to find out?)

2. **Research**

Gather as much information as you can on the problem

3. **Hypothesis**

Your educated guess to the question with a reason-“because”
Based on prior knowledge and/or research

4. **Materials**

Specifically list everything you used in the experiment in detail;
including the size or amount. Should be a list of
items.

5. **Procedure**

The numbered step-by-step process of what you did in the
experiment.

6. **Data/Observations of Experiment**

Explains what happened during the experiment (**Everything** you
saw happen or recorded)

7. **Results**

Observations/Data(#6) expressed in a chart or a graph

8. **Conclusion (Your Reflection)**

1. Was your hypothesis right or wrong- how?
2. Explain why you think you got the results that you did. (Why do you think what happened, happened?)
3. Explain what could have affected your results (3 events)
4. Explain what you could have done differently (3 steps)
5. Explain what you learned and how it could impact **your** life